



<b>Substitute for form 1449A/110</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/792,280
		Filing Date	March 4, 2004
		First Named Inventor	Michael R. BOWMAN <i>et al.</i>
		Art Unit	1653
Examiner Name	Not Yet Assigned		
Attorney Docket Number	031896-029000 (AM101023)		
Sheet	1	Of	4

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
JL		4,935,233	06-19-1990	Bell <i>et al.</i>	
		4,569,789	02-11-1986	Blattler <i>et al.</i>	
		4,751,180	06-14-1988	Cousens <i>et al.</i>	
		4,522,811	06-11-1985	Eppstein <i>et al.</i>	
		4,554,101	11-19-1985	Hopp	
		4,980,281	12-25-1990	Housey	
		5,266,464	11-30-1993	Housey	
		5,877,007	03-02-1999	Housey	
		4,638,045	01-20-1987	Kohn <i>et al.</i>	
		5,866,123	02-02-1999	MacLeod	
		5,459,039	10-17-1995	Modrich <i>et al.</i>	
		5,688,635	11-18-1997	Parker <i>et al.</i>	
		4,671,958	06-09-1987	Rodwell <i>et al.</i>	
		4,625,014	11-25-1986	Senter <i>et al.</i>	
		4,489,710	12-25-1984	Spitler	
		5,919,619	07-06-1999	Tullis	

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Kind Code <sup>3</sup> Country Code <sup>3</sup> Number <sup>4</sup> (if known)				
JL		WO01/92513	12-06-2001	Arndt <i>et al.</i>		
		WO01/68836	09-20-2001	Beach <i>et al.</i>		
		WO01/70949	09-27-2001	Graham <i>et al.</i>		
		WO00/44895	08-03-2000	Kreutzer <i>et al.</i>		
		WO00/44766	08-03-2000	MacLeod		
		WO01/29058	04-26-2001	Mello <i>et al.</i>		
		WO04/073623	09-02-2004	Morris		
		WO03/078578	09-25-2003	Ochoa <i>et al.</i>		
		WO00/63364	10-26-2000	Pachuk <i>et al.</i>		
		WO03/073990	09-12-2003	Rothenberg		
		WO01/75164	10-11-2001	Tuschl		
		WO99/14346	03-25-1999	Woolfe		
		WO01/36646	06-25-2001	Zernicka-Goetz <i>et al.</i>		

Examiner Signature	/Jerry Lin/	Date Considered	10/05/2006
--------------------	-------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/792,280
				Filing Date	March 4, 2004
				First Named Inventor	Michael R. BOWMAN <i>et al.</i>
				Art Unit	1653
				Examiner Name	Not Yet Assigned
Sheet	2	Of	4	Attorney Docket Number	031896-029000 (AM101023)
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Exam iner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
JL		AKIMOTO <i>et al.</i> , <i>J. Exp. Med.</i> , 187:1537-1542, 1998			
		DELAGRAVE <i>et al.</i> , <i>Protein Engineering</i> , 6:327-331, 1993			
		ELIAS <i>et al.</i> , <i>J. Clin. Invest.</i> , 104:1001-1006, 1999			
		FINLEY <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> , 92:9378-9382, 1995			
		GAVETT <i>et al.</i> , <i>Am. J. Respir. Cell Mol. Biol.</i> , 10:587-593, 1994			
		GOSSEN <i>et al.</i> , <i>Science</i> , 268:1766-1769, 1995			
		GRUNIG <i>et al.</i> , <i>Science</i> , 282:2261-2263, 1998			
		HAMMERMANN <i>et al.</i> , <i>Amino Acids</i> , 21:211-219, 2001			
		HOSHIDE <i>et al.</i> , <i>Genomics</i> , 38:174-178, 1996			
		KEEN <i>et al.</i> , <i>Trends Genet.</i> , 7(1):5, 1991			
		KUPERMAN <i>et al.</i> , <i>J. Exp. Med.</i> 187:939-948, 1998			
		LAM, <i>Anticancer Drug Des.</i> , 12:145, 1997			
		LANGE <i>et al.</i> , <i>N. Engl. J. Med.</i> , 339:1194-1200, 1998			
		MANNINO <i>et al.</i> , <i>Mor. Mortal Wkly. Rep. CDC Surveill. Summ.</i> , 47:1-27, 1998			
		MARATEA <i>et al.</i> , <i>Gene</i> 40:39-46, 1985			
		MIYATA <i>et al.</i> , <i>Clin. Exp. Allergy</i> , 29:114-123, 1999			
		MURPHY <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> , 83:8258-8262, 1986			
		MYERS <i>et al.</i> , <i>Science</i> , 230:1242, 1985			
		NO <i>et al.</i> , <i>Proc. Natl. Acad. Sci., USA</i> , 93:3346-3351, 1996			
		WANG <i>et al.</i> , <i>Nat. Biotech.</i> , 15:239-243, 1997			
		WILLS-KARP <i>et al.</i> , <i>Science</i> , 282:2258-2261, 1998			
		WILLS-KARP, <i>Annu. Rev. Immunol.</i> , 17:255-281, 1999			
Examiner Signature	/Jerry Lin/			Date Considered	10/05/2006

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/792,280
				Filing Date	March 4, 2004
				First Named Inventor	Michael R. BOWMAN <i>et al.</i>
				Art Unit	1653
Examiner Name	Not Yet Assigned				
Sheet	3	Of	4	Attorney Docket Number	031896-029000 (AM101023)
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>3</sup>
JL		BAGGIO <i>et al.</i> , <i>J. Pharmacol. Exp. Ther.</i> , 290:1409-1416, 1999			
		BUGA <i>et al.</i> , <i>Am. J. Physiol.</i> , 271:H1988-1998, 1996			
		BYRNE <i>et al.</i> , <i>Current Protocols in Molecular Biology</i> , John Wiley and Sons, Inc. (New York), 22.2.1-22.2.13, 2000			
		FINK <i>et al.</i> , <i>Nat. Medicine</i> , 4:1329-1333, 1998			
		GEYER <i>et al.</i> <i>Anal. Biochem.</i> , 39:412, 1971			
		GREENBERG, "Arginase" in "The Enzymes 4," by BOYER, P., LARDY, H., and MYRBACK, K. (eds), The Academic Press, New York, p 257, 1960			
		HAMMERMANN R. <i>et al.</i> , "Cationic proteins inhibit L-Arginine uptake in rat alveolar macrophages and tracheal epithelial cells," <i>American J. Respir. Cell Mol. Biol.</i> , 21:155-162, 1999			
		HEY <i>et al.</i> , <i>Br. J. Pharmacol.</i> , 121:395-400, 1997			
		HILL, A.A., <i>et al.</i> , <i>Genome Biol.</i> , 2(12):1-13, 2001			
		KANYO, <i>et al.</i> , <i>Nature</i> , 383:554-55, 1996			
		LEE <i>et al.</i> , <i>Nature Biotechnol.</i> , 20:500-505, 2002			
		LOCKHART <i>et al.</i> , <i>Nat. Biotechnol.</i> , 14:1850-1856, 1996			
		MEURS H. <i>et al.</i> , <i>Brit. J. Pharmacol.</i> , 126:559-562, 1999			
		PETHE <i>et al.</i> , <i>J. Inorg. Biochem.</i> , 88:397-402, 2002			
		ROSENBAUM and REISSNER, <i>Biophys. Chem.</i> , 265:12753, 1987			
		ROSS, <i>et al.</i> , <i>J. Biol. Chem.</i> , 273:6662-6669, 1998			
		SAIKI <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> , 86:6230, 1989			
		SCHNORR O. <i>et al.</i> , <i>J. Investig. Dermatol.</i> , 120(6):1016-1022, 2003			
		TENU <i>et al.</i> , <i>Nitric Oxide</i> , 3: 427-438, 1999			
		WILLS-KARP, <i>J. Allergy Clin. Immunol.</i> , 107:9-18, 2001			
Examiner Signature	/Jerry Lin/			Date Considered	10/05/2006

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/792,280
				Filing Date	March 4, 2004
				First Named Inventor	Michael R. BOWMAN <i>et al.</i>
				Art Unit	1653
				Examiner Name	Not Yet Assigned
Sheet	4	Of	4	Attorney Docket Number	031896-029000 (AM101023)
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
JL		American Lung Association, Trends In Chronic Bronchitis And Emphysema, Morbidity And Mortality, December 2000			
		CARVAJAL <i>et al.</i> , <i>J. Inorg. Biochem.</i> , 77: 163-167, 1999			
		COX <i>et al.</i> , <i>Nat. Struct. Biol.</i> , 6: 1043-1047, 1999			
		HIRSCH-KOLB <i>et al.</i> , <i>Anal. Biochem.</i> , 35: 60, 1970			
		JONES H. <i>et al.</i> , <i>Brit. J. of Pharmacol.</i> , 133:181-1189, 2001.			
		KLASEN, S., <i>et al.</i> , <i>Brit. J. Pharmacol.</i> , 132:1349-1357, 2001			
		MEURS, H., <i>et al.</i> , <i>British J. Pharmacol.</i> , 136:391-398, 2002			
		MEURS, H., <i>et al.</i> , <i>Trends Pharmacol. Sci.</i> , 24(9):450-455, 2003			
		MORRIS, C.R., <i>et al.</i> , <i>Blood</i> , 102(11):764A, 2003			
		NISHIBE <i>et al.</i> , <i>Anal. Biochem.</i> , 43:357, 1971			
		POREMBSKA <i>et al.</i> , <i>Cancer</i> , 94: 2930-2934, 2002			
		SELAMINIA <i>et al.</i> , <i>Biochem. Pharmacol.</i> , 55:1241-1245, 1998			
		SHAHANA S. <i>et al.</i> , <i>Mediators of Inflammation</i> , 11:141-148, 2002			
		SONG, E. <i>et al.</i> , <i>Nature Med.</i> , 9(3):347-351, 2003			
		SUI <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> , 99:5515-5520, 2002			
		TORMANEN CD, <i>J. Inorg. Biochem.</i> , 93:243-246, 2003			
		URBAN <i>et al.</i> , <i>Immunity</i> , 8(2):255-645, 1998			
		YE <i>et al.</i> , <i>Science</i> , 283:88-91, 1999			
		ZIMMERMANN, N., <i>et al.</i> , <i>J. Clin. Invest.</i> , 111(12):1863-1874, 2003			
		ZUCKERMANN <i>et al.</i> , <i>J. Med. Chem.</i> , 37:2678-85, 1994			
		International Application No. PCT/US2004/006470. International Search Report dated March 4, 2005			
Examiner Signature	/Jerry Lin/			Date Considered	10/05/2006

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.